Ruslan Makarov

Software Engineer

SUMMARY

- Experienced 20+ years in design and development of enterprise-level applications
- Solid theoretical and practical knowledge of software architecture and design
- Worked as tech lead, CTO, project manager, conducted mentoring and code review. I deliver products in accordance with client expectations
- Proficient in back-end (Java, Node.js, PHP), front-end (ES6, Vue.js), Android development, microservices, bots/botnets (Rest API, Puppeteer) and browser Web Extensions
- Developed software solutions for large USA and top Russian IT companies.
- Managed full life cycle of projects from inception to completion.
- Professional, competent, responsible, goal-oriented, skilled

RECENT PROJECTS

MATCHBETS.COM
2019-2022

Lead software engineer

Licensed sports betting website. Conducted business analysis, created the architecture, design and developed the core of the system (Java, Vue.js, PHP, MySQL/Aurora), integrated it with Sportradar and LSports - providers of odds data (Java, RabbitMQ), and various payment processors. Deployed the system in AWS Cloud utilizing AWS technologies and best practices.

SUREBET SCANNER, BOT AUTOMATION
2018-2019

Software developer

Software system that scraps in real-time data from online sportsbooks and runs surebet (arbitrage) and other strategies to analyze and find most valuable bets. Contains a betting automation bot (Puppeteer) which automatically places bets on selected sportsbooks.
The system runs on Hetzner Cloud, with thousands of concurrent asynchronous threads fetching and analyzing gigabytes of data every minute. Bypasses sportsbooks' anti-bot protection. For searching suitable strategies for value bets Big Data and mathematical modeling methods were utilized.

SKILLS

Languages: Java (20+ years), JavaScript/ES6/Node.js, PHP, Solidity, SQL, HTML/CSS

Paradigms and Technologies: OOD/OOP, J2EE, REST API, UML, Git, CI/CD, SaaS, PWA, UI/UX, Android SDK, Web Services, SOAP, Web3, DAPPS

Databases: Oracle, MySQL, PosgreSQL, Aurora, DynamoDB, NoSQL, Firebase, MongoDB, CouchDB

Frameworks and App Servers: WebLogic, Spring, Vue.js, Laravel, CodeIgniter, Web Extensions, Blockchain

Cloud Platforms: Amazon Web Services, Google Cloud Platform

Design patterns, best practices, coding standards, e2e tests, documenting

EDUCATION

MASTER OF SCIENCE IN MATHEMATICS
1993-1998
Moscow State University, Russia

CONTACTS

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github: altrusl
CV: altrusl.github.io/cv/

WORK EXPERIENCE

FREELANCE / INDEPENDENT CONTRACTOR
2004+
Senior software engineer

SiFC: Web app for German high school course management. Two tier app built on Vue.js and NoSQL CouchDB.

Semantic information exchange system: developed POC of XML-based information exchange system for Russian Government. Analog of US NIEM system. Utilized Java 2 EE technologies (JPA, Hibernate ORM, JMA), Spring Boot, SOAP, PostgreSQL, REST/HATEOAS

Pine automation: Developed analyzer for Selenium traffic data for reverse engineering it to business level human actions. The system utilizes Spring Boot, Selenium, WebDriver protocol, WebServices

And many other projects...

AFK SISTEMA, RUSSIA
2002-2004
Software architect

Developed architecture and design of custom business process management software (Java, Oracle)

VANDERBILT UNIVERSITY (ISIS), NASHVILLE, TN
2001-2002
Senior software engineer

Worked on DARPA and Boeing funded project - The Network Embedded Systems Technology (NEST), dealing with middleware services and novel applications of Wireless Sensor Networks (WSN)

CARSDIRECT.COM, LOS ANGELES, CA
2000-2001
Software developer

Development of car selling website

INTESSERA INC., RUSSIA
1998-2000
Software developer

Development of document management system (Java, Oracle)

CERTIFICATIONS

- AWA Certified Solutions Architect – Associate (2021)

- Sun Certified Java developer (2002)

SIDE WORK

- Participate in open source projects, some are part of Awesome Vue.js

- Write well received technical articles for the major IT web-portals

- Math tutoring for kids

TOP RATED (100% JSS) DEVELOPER ON UPWORK